

ABSTRACT

A gateway apparatus for conducting connection between different types of communication networks, that are a line-switched network and a packet-switched network, there are provided a method and an apparatus in which sound breaks otherwise caused by delay or loss of speech encoded data is eliminated and deterioration of the speech quality is minimized to assure short delay in speech communication. A speech data processing circuit of the gateway apparatus compares the number of speech encoded data actually acquired with an expected value. The speech data processing circuit packetizes the so generated speech encoded data, along with the speech encoded data, to send the packetized data from a transmission circuit to the packet-switched network. The resulting data is sent from a data multiplexing circuit and a line-switched network terminating circuit to the line-switched network.